

EXAM CONTENT OUTLINES

The exams are based on the job tasks performed by a Level I, Level II, or Level III building official for the exam category involved in enforcing the provisions of the code. The exam outline is derived from an analysis of the job tasks and shows the number of questions included on the exam for each content area.

ACBOA Level I - EXAM 1 - BUILDING ENVELOPE EXAM CONTENT OUTLINE

Questions for tasks that are shaded appear on Level 1, Exam 2 - Health and Safety.

| Level I, Exam 1 - BUILDING ENVELOPE EXAM Two-hour time limit, 50 multiple choice questions, open book. | | # of Questions |
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| 01 | General Administrative Requirements (Content Area) | 3 |
| 0101 | Application (Task Area) Answer general administration questions about the application and interpretation of the code, inspections, plans, specifications, professional design and review. | 1 |
| 0102 | Materials (Task Area) Identify the suitability and use of materials according to the listing and labeling and approved installation methods. | 1 |
| 0103 | Structural Requirements (Task Area) Verify conformance with structural requirements including snow loads, deflections, and foundation conditions. | 1 |
| 02 | Rooms, Spaces, Doors and Windows (Content Area) | 2 |
| 0201 | Room Height (Task Area) Verify that rooms; living rooms, kitchens, bedrooms, bathrooms, water-closet rooms, and hallways comply with minimum dimensions, area and ceiling height requirements. | |
| 0202 | Doors (Task Area) Verify conformance with code requirements for door location, size, type and installation | 1 |
| 0203 | Windows and Skylights (Task Area) Verify that windows and skylights have required areas for light and openable areas, that glazing is correctly installed, and has required glass thickness. | 1 |
| 03 | Means of Egress (Content Area) | |
| 0301 | Stairs and Ramps (Task Area) Verify that stairs and ramps have required tread, width, riser, landing, and headroom dimensions. | |
| 0302 | Handrails and Guards (Task Area) Verify that handrails and guards are provided and have the proper dimensions and comply with code requirements | |
| 0303 | Exiting (Task Area) Verify that egress doors have correct height, width and proper hardware; that windows intended for use as emergency egress have correct clear opening areas, clear width and sill height and that exits have proper access, signs, lighting, and fire protection. | |
| 04 | Design of Areas and Spaces (Content Area) | 6 |
| 0401 | Fire Protection (Task Area) Verify code compliance: fire separations located where required and have correct fire-resistance rating and that fire protection of structural members, rating of openings and penetrations, fire stops, flame spread limits of building materials, alarm & detection systems & fire fighting provisions | |

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| 0402 | Sound Control (Task Area) Verify code compliance for sound transmission ratings. | |
| 0403 | Crawl Spaces / Roof Spaces (Task Area) Verify crawl spaces have proper access, ventilation, clearance, drainage, ground cover and fire protection and roof spaces have proper access and ventilation. | 2 |
| 0404 | Electrical Facilities / Plumbing Facilities (Task Area) Verify that electrical installations are installed according to code provisions and that lighting outlets are provided as required. Verify that required plumbing facilities and a sewage disposal system are installed and that water supply, distribution, and water heating are installed properly. | |
| 0405 | Garages and Carports (Task Area) Verify code compliance for the construction of garages and carports. | 1 |
| 0406 | Spatial Separations (Task Area) Verify that the spatial separation between buildings meets code requirements | 3 |
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| 05 | Excavations, Footings and Foundations (Content Area) | 10 |
| 0501 | Excavation (Task Area) Verify excavations are of the proper depth and Inspect backfill against foundation and basement walls | 1 |
| 0502 | Waterproofing and Dampproofing (Task Area) Verify that the moisture barrier beneath concrete slabs and for foundation and basement walls meets code requirements for waterproofing and dampproofing | 1 |
| 0503 | Drainage (Task Area) Verify compliance with code provisions for subsurface and surface drainage | 2 |
| 0504 | Footings and Foundations (Task Area) Verify that concrete footings have proper depth, reinforcement (where required), and that concrete has required compressive strength and air content. Verify that wood foundations, where permitted, are properly constructed and protected against termites and decay. Verify proper size, height above grade, reinforcement size, type, and grade of foundations. | 5 |
| 0505 | Slabs-On-Ground (Task Area) Inspect concrete slabs, verifying proper sizing, placement, and support of welded wire fabric and reinforcing bar, and proper placement/location of control/construction joints | 1 |
| 06 | Framing (Content Area) | 13 |
| 0601 | Columns (Task Area) Verify that wood, steel, masonry, and solid concrete columns meet code requirements. | 2 |
| 0602 | General Framing / Framing Members (Task Area) Inspect foundations, sills, sleepers, trusses, joists and rafters and foundation studs, verifying proper grade, size, bearing, support, span, spacing, blocking, bracing or bridging, and fasteners. Inspect roof, wall and floor framing, verifying proper span, grade, and fasteners. Verify that steel stud wall framing complies with code provisions for size, thickness, fastening and load bearing characteristics. | 5 |
| 0603 | Fastening / Drilling / Notching (Task Area) Verify that anchor bolts and other structural fasteners are of proper size, spacing, and installation. Ensure the integrity of framing members and beams from any defects, cutting, drilling, or notching. | 2 |
| 0604 | Beams and Lintels (Task Area) Verify that beams, girders and lintels are of proper grade, size, bearing, support, | 3 |

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| | span, spacing, blocking, and bracing or bridging | |
| 0605 | Sheathing and Subflooring (Task Area) Inspect roof, wall and floor sheathing, verifying proper thickness, grade and fastening methods | 1 |
| 07 | Masonry and Insulating Concrete Form Walls (Content Area) | 5 |
| 0701 | Above-Grade Masonry (Task Area) Inspect masonry units, verifying required dimensions, minimum thickness, alignment of finished work, joint construction, mortar quality, bonding and tying, lateral support, chases and recesses, and installation of cleanouts where required. Inspect masonry reinforcement, verifying adequate size, grade, and clearances. | 2 |
| 0702 | Chimneys and Flues (Task Area) Verify that chimneys and flues are of proper construction, that masonry and concrete chimney construction conform to code and that proper clearance from combustible construction is maintained. | 2 |
| 0703 | Insulating Concrete Form Walls (Task Area) Inspect insulating concrete form walls for conformance to code provisions. | 1 |
| 08 | Thermal Insulation, Ventilation and Heating (Content Area) | 6 |
| 0801 | Insulation (Task Area) Inspect wall, ceiling, and floor insulation, verifying correct flame-spread rating, and correct placement of vapour barrier. | 3 |
| 0802 | Ventilation (Task Area) Verify that requirements for natural and mechanical ventilation are met. | 3 |
| 0803 | Heating and Air Conditioning (Task Area) Verify installation of adequate heating facilities and fire protection requirements for heating appliances. | |
| 09 | Exterior Finish (Content Area) | 5 |
| 0901 | Roofing (Task Area) Verify the proper use of roofing materials appropriate to the type of roof, flashing, eave protection, roof underlay, proper application of cedar and shake shingles, and built-up roofs. | 2 |
| 0902 | Siding and Cladding (Task Area) Inspect exterior wall and roof siding, verifying proper application and attachment appropriate for the type of siding and flashing. Verify that proper stucco materials and lath and reinforcing materials are used, that lath and reinforcing are properly fastened and that the stucco application meets code requirements. | 2 |
| 0903 | Protection from Precipitation (Rain) (Task Area) Verify that the exterior assembly, including flashing, the exterior cladding, capillary break, first and second plane of protection are provided, including checking the provision for the moisture index. | 1 |
| 10 | Interior Finish (Content Area) | |
| 1001 | Wall and Ceiling (Task Area) Inspect interior plastering, sheathing, wallboard, plywood and hardwood finish, fibreboard finish, particleboard and waferboard finish, and wall tile, verifying correct type and thickness, and correct size, type, and location of fasteners. | |
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ACBOA Level I - EXAM 2 - HEALTH AND SAFETY EXAM CONTENT OUTLINE

Questions for tasks that are shaded appear on Level 1, Exam 1 - Building Envelope.

| | Level I, Exam 2 - HEALTH AND SAFETY EXAM Two-hour time limit, 50 multiple choice questions, open book. | # of Questions |
|-----------|---|-----------------------|
| 01 | General Administrative Requirements (Content Area) | 3 |
| 0101 | Application (Task Area) Answer general administration questions about the application and interpretation of the code, inspections, plans, specifications, professional design and review. | 1 |
| 0102 | Materials (Task Area) Identify the suitability and use of materials according to the listing and labeling and approved installation methods. | 1 |
| 0103 | Structural Requirements (Task Area) Verify code compliance of structural requirements including snow loads, deflections, and foundation conditions. | 1 |
| 02 | Rooms, Spaces, Doors and Windows (Content Area) | 4 |
| 0201 | Room Height (Task Area) Verify that rooms; living rooms, kitchens, bedrooms, bathrooms, water-closet rooms, and hallways comply with minimum dimensions, area and ceiling height requirements. | 1 |
| 0202 | Doors (Task Area) Verify conformance with code requirements for door location, size, type and installation | 2 |
| 0203 | Windows and Skylights (Task Area) Verify that windows and skylights have required areas for light and operable areas, that glazing is correctly installed, and has required glass thickness. | 1 |
| 03 | Means of Egress (Content Area) | 13 |
| 0301 | Stairs and Ramps (Task Area) Verify that stairs and ramps have required tread, width, riser, landing, and headroom dimensions. | 5 |
| 0302 | Handrails and Guards (Task Area) Verify that handrails and guards are provided and have the proper dimensions and comply with code requirements. | 5 |
| 0303 | Exiting (Task Area) Verify that egress doors have correct height, width and proper hardware; that windows intended for use as emergency egress have correct clear opening areas, clear width and sill height and that exits have proper access, signs, lighting, and fire protection. | 3 |
| 04 | Design of Areas and Spaces (Content Area) | 9 |
| 0401 | Fire Protection (Task Area) Verify code compliance: fire separations located where required and have correct fire-resistance rating and that fire protection of structural members, rating of openings and penetrations, fire stops, flame spread limits of building materials, alarm & detection systems & fire fighting provisions | 3 |
| 0402 | Sound Control (Task Area) Verify code compliance for sound transmission ratings | 1 |
| 0403 | Crawl Spaces / Roof Spaces (Task Area) Verify crawl spaces have proper access, ventilation, clearance, drainage, ground cover and fire protection and roof spaces have proper access and ventilation. | 2 |

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| 0404 | Electrical Facilities / Plumbing Facilities (Task Area) Verify that electrical installations are installed according to code provisions and that lighting outlets are provided as required. Verify that required plumbing facilities and a sewage disposal system are installed and that water supply, distribution, and water heating are installed properly. | 1 |
| 0405 | Garages and Carports (Task Area) Verify code compliance for the construction of garages and carports. | 1 |
| 0406 | Spatial Separations (Task Area) Verify that the spatial separation between buildings meets code requirements | 1 |
| 05 | Excavations, Footings and Foundations (Content Area) | |
| 0501 | Excavation (Task Area) Verify that excavations are of the proper depth and Inspect backfill against foundation and basement walls | |
| 0502 | Waterproofing and Dampproofing (Task Area) Verify that the moisture barrier beneath concrete slabs and for foundation and basement walls meets code requirements for waterproofing and dampproofing | |
| 0503 | Drainage (Task Area) Verify code compliance for subsurface and surface drainage | |
| 0504 | Footings and Foundations (Task Area) Verify that concrete footings have proper depth, reinforcement (where required), and that concrete has required compressive strength and air content. Verify that wood foundations, where permitted, are properly constructed and protected against termites and decay. Verify proper size, height above grade, reinforcement size, type, and grade of foundations. | |
| 0505 | Slabs-On-Ground (Task Area) Inspect concrete slabs, verifying proper sizing, placement, and support of welded wire fabric and reinforcing bar, and proper placement/location of control/construction joints | |
| 06 | Framing (Content Area) | |
| 0601 | Columns (Task Area) Verify that wood, steel, masonry, and solid concrete columns meet code requirements | |
| 0602 | General Framing / Framing Members (Task Area) Inspect foundations, sills, sleepers, trusses, joists and rafters and foundation studs, verifying proper grade, size, bearing, support, span, spacing, blocking, bracing or bridging, and fasteners. Inspect roof, wall and floor framing, verifying proper span, grade, and fasteners. Verify that steel stud wall framing complies with code provisions for size, thickness, fastening and load bearing characteristics. | |
| 0603 | Fastening / Drilling / Notching (Task Area) Verify that anchor bolts and other structural fasteners are of proper size, spacing, and installation. Ensure the integrity of framing members and beams from any defects, cutting, drilling, or notching | |
| 0604 | Beams and Lintels (Task Area) Verify that beams, girders and lintels are of proper grade, size, bearing, support, span, spacing, blocking, and bracing or bridging. | |
| 0605 | Sheathing and Subflooring (Task Area) Inspect roof, wall and floor sheathing, verifying proper thickness, grade and fastening methods | |

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| 07 | Masonry and Insulating Concrete Form Walls (Content Area) | 4 |
| 0701 | Above-Grade Masonry (Task Area) Inspect masonry units, verifying required dimensions, minimum thickness, alignment of finished work, joint construction, mortar quality, bonding and tying, lateral support, chases and recesses, and installation of cleanouts where required. Inspect masonry reinforcement, verifying adequate size, grade, and clearances | |
| 0702 | Chimneys and Flues (Task Area) Verify that chimneys and flues are of proper construction, that masonry and concrete chimney construction conform to code and that proper clearance from combustible construction is maintained. | 2 |
| 0704 | Insulating Concrete Form Walls (Task Area) Inspect insulating concrete form walls for conformance to code provisions. | 2 |
| 08 | Thermal Insulation, Ventilation and Heating (Content Area) | 13 |
| 0801 | Insulation (Task Area) Inspect wall, ceiling, and floor insulation, verifying correct flame-spread rating, and correct placement of vapour barrier | 4 |
| 0802 | Ventilation (Task Area) Verify that requirements for natural and mechanical ventilation are met. | 5 |
| 0803 | Heating (Task Area) Verify the installation of adequate heating facilities and fire protection requirements for heating appliances. | 4 |
| 09 | Exterior Finish (Content Area) | |
| 0901 | Roofing (Task Area) Verify the proper use of roofing materials appropriate to the type of roof, flashing, eave protection, roof underlay, proper application of cedar and shake shingles, and built-up roofs. | |
| 0902 | Siding and Cladding (Task Area) Inspect exterior wall and roof siding, verifying proper application and attachment appropriate for the type of siding and flashing. Verify that proper stucco materials and lath and reinforcing materials are used, that lath and reinforcing are properly fastened and that the stucco application meets code requirements. | |
| 0903 | Protection from Precipitation (Rain) (Task Area) Verify that the exterior assembly, including flashing, the exterior cladding, capillary break, first and second plane of protection are provided, including checking the provision for the moisture index. | |
| 10 | Interior Finish (Content Area) | 4 |
| 1001 | Interior Walls, Ceilings, and Floors (Task Area) Inspect interior plastering, sheathing, wallboard, plywood and hardwood finish, fibreboard finish, particleboard and waferboard finish, and wall tile, verifying correct type and thickness, and correct size, type, and location of fasteners. | 4 |
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ACBOA Level II - EXAM 3 - HVAC AND FIRE PROTECTION EXAM CONTENT OUTLINE

Questions for tasks that are shaded appear on Level II, Exam 4 - Structural.

| Level II, Exam 3 – HVAC AND FIRE PROTECTION Two-hour time limit, 50 multiple choice questions, open book. | | # of Questions |
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| 01 | General Administrative Requirements | 3 |
| 0101 | Application Answer general administration questions about the application and interpretation of the code, inspections, plans, specifications, professional design and review. | 1 |
| 0102 | Materials Identify suitability and use of materials according to the listing and labeling and approved installation methods. | 2 |
| 0103 | Structural Requirements Verify conformance with code structural requirements including snow loads, deflections, and foundation conditions. | |
| 02 | Rooms, Doors and Windows | 4 |
| 0201 | Room Height Verify that rooms, including living rooms, kitchens, bedrooms, bathrooms, water-closet rooms, and hallways comply with minimum dimensions, area and ceiling height requirements. | 1 |
| 0202 | Exterior Doors Verify conformance with code requirements for door location, size, type and installation | 1 |
| 0203 | Windows and Skylights Verify that windows and skylights have required areas for light and openable areas, that glazing is correctly installed, and has required glass thickness. | 2 |
| 03 | Means of Egress | 15 |
| 0301 | Stairs and Ramps Verify that stairs and ramps have required tread, width, riser, landing and headroom dimensions. | 4 |
| 0302 | Handrails and Guards Verify that handrails & guards are provided & have proper dimensions and are installed as required by code. | 4 |
| 0303 | Exiting Verify that egress doors have correct height, width and proper hardware; that windows intended for use as emergency egress have correct clear opening areas, clear width and sill height and that exits have proper access, signs, lighting, and fire protection. | 7 |
| 04F | Fire Protection | 22 |
| 0401F | Occupancy Classification Verify occupancy classification, occupant loads and compliance with code requirements. | 3 |
| 0402F | Fire-Resistance Rating Verify that fire separations between occupancies have correct fire-resistance rating. | 4 |
| 0403F | Fire Protection / Fire Separation Verify fire protection of openings, penetrations, fire stops, and flame spread limits of materials. | 4 |
| 0404F | Fire Walls Verify that fire walls meet code requirements. | 1 |

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| 0405F | Fire Protection of Means of Egress Verify fire protection of Means of egress. | 4 |
| 0406F | Interconnected Floor Areas Verify fire protection of interconnected floor areas. | 1 |
| 0407F | Building Size Determination / Mezzanines Verify that building size and mezzanines comply with code provisions. | 1 |
| 0408F | Spatial Separations Verify that the spatial separation for buildings meets code requirements. | 3 |
| 0409F | Alarm Systems Verify that alarm and detection systems comply with code; Verify provisions for fire fighting | 1 |
| 05 | Excavations, Footings, Foundations and Grading | |
| 0501 | Excavation Verify that excavations are of the proper depth and Inspect backfill against foundation and basement walls | |
| 0502 | Waterproofing and Dampproofing Verify that the moisture barrier beneath concrete slabs and for foundation and basement walls meets code requirements for waterproofing and dampproofing | |
| 0503 | Drainage Verify compliance with code provisions for subsurface and surface drainage. | |
| 0504 | Footings and Foundations Verify that concrete footings have proper depth, reinforcement (where required), and that concrete has required compressive strength and air content. Verify that wood foundations, where permitted, are properly constructed and protected against termites and decay. Verify proper size, height above grade, reinforcement size, type, and grade of foundations. | |
| 0505 | Slabs-On-Ground Inspect concrete slabs, verifying proper sizing, placement, and support of welded wire fabric and reinforcing bar, and proper placement/location of control/construction joints | |
| 06 | Framing | |
| 0601 | Columns Verify that wood, steel, masonry, and solid concrete columns meet code requirements. | |
| 0602 | General Framing / Framing Members Inspect and verify foundations, sills, sleepers, trusses, joists and rafters and foundation studs, verifying proper grade, size, bearing, support, span, spacing, blocking, bracing or bridging, and fasteners. Inspect roof, wall and floor framing, verifying proper span, grade, and fasteners. Verify that steel stud wall framing complies with code provisions for size, thickness, fastening and load bearing characteristics. | |
| 0603 | Fastening / Drilling / Notching Verify that anchor bolts and other structural fasteners are of proper size, spacing, and installation. Ensure the integrity of framing members and beams from any defects, cutting, drilling, or notching. | |
| 0604 | Beams and Lintels Verify that beams, girders and lintels are of proper grade, size, bearing, support, span, spacing, blocking, and bracing or bridging. | |
| 0605 | Sheathing and Subflooring Inspect roof, wall and floor sheathing, verifying proper thickness, grade and fastening methods | |

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| 07 | Masonry and Insulating Concrete Form Walls | |
| 0701 | Above-Grade Masonry Inspect masonry units, verifying required dimensions, minimum thickness, alignment of finished work, joint construction, mortar quality, bonding and tying, lateral support, chases and recesses, and installation of cleanouts where required. Inspect masonry reinforcement, verifying adequate size, grade, and clearances. | |
| 0702 | Chimneys and Flues Verify that chimneys and flues are of proper construction, that masonry and concrete chimney construction conform to code and that proper clearance from combustible construction is maintained. | |
| 0703 | Insulating Concrete Form Walls Inspect insulating concrete form walls for conformance to code provisions. | |
| 08 | Health, Safety and Comfort | 6 |
| 0801 | Insulation Inspect wall, ceiling, and floor insulation, verifying correct flame-spread rating, and correct placement of vapour barrier. | 1 |
| 0802 | Ventilation Verify that requirements for natural and mechanical ventilation are met. | 1 |
| 0803 | Heating and Air Conditioning Verify the installation of adequate heating facilities and fire protection requirements for gas and electric ranges. | 1 |
| 0804 | Heat Transfer, Air Leakage, Condensation Control Verify that wall, ceiling, and floor insulation, and correct placement of air and vapour barriers meet code requirements. | 1 |
| 0805 | Sound Control Verify compliance with code provisions for sound transmission ratings. | 1 |
| 0806 | Crawl Spaces / Roof Spaces Verify that crawl spaces have proper access, ventilation, clearance, drainage, ground cover and fire protection. Verify that roof spaces have proper access and ventilation and fire protection. | 1 |
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| 09 | Exterior Finish | |
| 0901 | Roofing Verify the proper use of roofing materials appropriate to the type of roof, flashing, eave protection, roof underlay, proper application of cedar and shake shingles, and built-up roofs. | |
| 0902 | Cladding Inspect exterior wall and roof covering, verifying proper application and attachment appropriate for the type of cladding and flashing. | |
| 10 | Interior Finish | |
| 1001 | Interior Walls, Ceilings, and Floors Inspect interior plastering, sheathing, wallboard, plywood and hardwood finish, fibreboard finish, particleboard and waferboard finish, and wall tile, verifying correct type and thickness, and correct size, type, and location of fasteners. | |
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ACBOA Level II - EXAM 4 - STRUCTURAL EXAM CONTENT OUTLINE

Questions for tasks that are shaded appear on Level II, Exam 3 - HVAC & Fire Protection.

| Level II, Exam 4 – STRUCTURAL Two-hour time limit, 50 multiple choice questions, open book. | | # of Questions |
|---|--|-----------------------|
| 01 | General Administrative Requirements | 3 |
| 0101 | Application Answer general administration questions about the application and interpretation of the code, inspections, plans, specifications, professional design and review. | 1 |
| 0102 | Materials Identify suitability and use of materials according to the listing and labeling and approved installation methods. | 1 |
| 0103 | Structural Requirements Verify conformance with code structural requirements including snow loads, deflections, and foundation conditions. | 1 |
| 02 | Rooms, Doors and Windows | |
| 0201 | Room Height Verify that rooms, including living rooms, kitchens, bedrooms, bathrooms, water-closet rooms, and hallways comply with minimum dimensions, area and ceiling height requirements. | |
| 0202 | Exterior Doors Verify conformance with code requirements for door location, size, type and installation | |
| 0203 | Windows and Skylights Verify that windows and skylights have required areas for light and openable areas, that glazing is correctly installed, and has required glass thickness. | |
| 03 | Means of Egress | |
| 0301 | Stairs and Ramps Verify that stairs and ramps have required tread, width, riser, landing and headroom dimensions. | |
| 0302 | Handrails and Guards Verify that handrails & guards are provided & have proper dimensions and are installed as required by code. | |
| 0303 | Exiting Verify that egress doors have correct height, width and proper hardware; that windows intended for use as emergency egress have correct clear opening areas, clear width and sill height and that exits have proper access, signs, lighting, and fire protection. | |
| 04F | Fire Protection | |
| 0401F | Occupancy Classification Verify occupancy classification, occupant loads and compliance with code requirements. | |
| 0402F | Fire-Resistance Rating Verify that fire separations between occupancies have correct fire-resistance rating. | |
| 0403F | Fire Protection / Fire Separation Verify fire protection of openings, penetrations, fire stops, and flame spread limits of materials. | |
| 0404F | Fire Walls Verify that fire walls meet code requirements. | |

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| 0405F | Fire Protection of Means of Egress Verify fire protection of Means of egress. | |
| 0406F | Interconnected Floor Areas Verify fire protection of interconnected floor areas. | |
| 0407F | Building Size Determination / Mezzanines Verify that building size and mezzanines comply with code provisions. | |
| 0408F | Spatial Separations Verify that the spatial separation for buildings meets code requirements. | |
| 0409F | Alarm Systems Verify that alarm and detection systems comply with code; Verify provisions for fire fighting | |
| 05 | Excavations, Footings, Foundations and Grading | 17 |
| 0501 | Excavation Verify that excavations are of the proper depth and Inspect backfill against foundation and basement walls | 2 |
| 0502 | Waterproofing and Dampproofing Verify that the moisture barrier beneath concrete slabs and for foundation and basement walls meets code requirements for waterproofing and dampproofing | 3 |
| 0503 | Drainage Verify compliance with code provisions for subsurface and surface drainage. | 2 |
| 0504 | Footings and Foundations Verify that concrete footings have proper depth, reinforcement (where required), and that concrete has required compressive strength and air content. Verify that wood foundations, where permitted, are properly constructed and protected against termites and decay. Verify proper size, height above grade, reinforcement size, type, and grade of foundations. | 8 |
| 0505 | Slabs-On-Ground Inspect concrete slabs, verifying proper sizing, placement, and support of welded wire fabric and reinforcing bar, and proper placement/location of control/construction joints | 2 |
| 06 | Framing | 19 |
| 0601 | Columns Verify that wood, steel, masonry, and solid concrete columns meet code requirements. | 3 |
| 0602 | General Framing / Framing Members Inspect and verify foundations, sills, sleepers, trusses, joists and rafters and foundation studs, verifying proper grade, size, bearing, support, span, spacing, blocking, bracing or bridging, and fasteners. Inspect roof, wall and floor framing, verifying proper span, grade, and fasteners. Verify that steel stud wall framing complies with code provisions for size, thickness, fastening and load bearing characteristics. | 8 |
| 0603 | Fastening / Drilling / Notching Verify that anchor bolts and other structural fasteners are of proper size, spacing, and installation. Ensure the integrity of framing members and beams from any defects, cutting, drilling, or notching. | 2 |
| 0604 | Beams and Lintels Verify that beams, girders and lintels are of proper grade, size, bearing, support, span, spacing, blocking, and bracing or bridging. | 4 |
| 0605 | Sheathing and Subflooring Inspect roof, wall and floor sheathing, verifying proper thickness, grade and fastening methods | 2 |

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| 07 | Masonry and Insulating Concrete Form Walls | 4 |
| 0701 | Above-Grade Masonry Inspect masonry units, verifying required dimensions, minimum thickness, alignment of finished work, joint construction, mortar quality, bonding and tying, lateral support, chases and recesses, and installation of cleanouts where required. Inspect masonry reinforcement, verifying adequate size, grade, and clearances. | 1 |
| 0702 | Chimneys and Flues Verify that chimneys and flues are of proper construction, that masonry and concrete chimney construction conform to code and that proper clearance from combustible construction is maintained. | 1 |
| 0703 | Insulating Concrete Form Walls Inspect insulating concrete form walls for conformance to code provisions. | 2 |
| 08 | Health, Safety and Comfort | |
| 0801 | Insulation Inspect wall, ceiling, and floor insulation, verifying correct flame-spread rating, and correct placement of vapour barrier. | |
| 0802 | Ventilation Verify that requirements for natural and mechanical ventilation are met. | |
| 0803 | Heating and Air Conditioning Verify the installation of adequate heating facilities and fire protection requirements for gas and electric ranges. | |
| 0804 | Heat Transfer, Air Leakage, Condensation Control Verify that wall, ceiling, and floor insulation, and correct placement of air and vapour barriers meet code requirements. | |
| 0805 | Sound Control Verify compliance with code provisions for sound transmission ratings. | |
| 0806 | Crawl Spaces / Roof Spaces Verify that crawl spaces have proper access, ventilation, clearance, drainage, ground cover and fire protection. Verify that roof spaces have proper access and ventilation and fire protection. | |
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| 09 | Exterior Finish | 4 |
| 0901 | Roofing Verify the proper use of roofing materials appropriate to the type of roof, flashing, eave protection, roof underlay, proper application of cedar and shake shingles, and built-up roofs. | 2 |
| 0902 | Cladding Inspect exterior wall and roof covering, verifying proper application and attachment appropriate for the type of cladding and flashing. | 2 |
| 10 | Interior Finish | 3 |
| 1001 | Interior Walls, Ceilings, and Floors Inspect interior plastering, sheathing, wallboard, plywood and hardwood finish, fibreboard finish, particleboard and waferboard finish, and wall tile, verifying correct type and thickness, and correct size, type, and location of fasteners. | 3 |
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ACBOA Level II - EXAM 5 - PLAN REVIEW EXAM CONTENT OUTLINE

| Level II, Exam 5 – PLAN REVIEW Two-hour time limit, 40 multiple choice questions, open book. | | # of Questions |
|--|--|-----------------------|
| 01 | General Administrative Requirements | 1 |
| 0101 | Application Answer general administration questions about the application and interpretation of the code, inspections, plans, specifications, professional design and review. | 1 |
| 02 | Rooms, Doors and Windows | 3 |
| 0201 | Room Height Verify that rooms, including living rooms, kitchens, bedrooms, bathrooms, water-closet rooms, and hallways comply with minimum dimensions, area and ceiling height requirements. | 1 |
| 0202 | Exterior Doors Verify conformance with code requirements for door location, size, type and installation | 1 |
| 0203 | Windows and Skylights Verify that windows and skylights have required areas for light and openable areas, that glazing is correctly installed, and has required glass thickness. | 1 |
| 03 | Means of Egress | 8 |
| 0301 | Stairs and Ramps Verify that stairs and ramps have required tread, width, riser, landing and headroom dimensions. | 1 |
| 0302 | Handrails and Guards Verify that handrails & guards are provided & have proper dimensions and are installed as required by code. | 1 |
| 0303 | Exiting Verify that egress doors have correct height, width and proper hardware; that windows intended for use as emergency egress have correct clear opening areas, clear width and sill height and that exits have proper access, signs, lighting, and fire protection. | 6 |
| 04F | Fire Protection | 12 |
| 0401F | Occupancy Classification Verify occupancy classification, occupant loads and compliance with code requirements. | 1 |
| 0402F | Fire-Resistance Rating Verify that fire separations between occupancies have correct fire-resistance rating. | 3 |
| 0403F | Fire Protection / Fire Separation Verify fire protection of openings, penetrations, fire stops, and flame spread limits of materials. | 2 |
| 0404F | Fire Walls Verify that fire walls meet code requirements. | 1 |
| 0405F | Fire Protection of Means of Egress Verify fire protection of Means of egress. | 1 |
| 0406F | Interconnected Floor Areas Verify fire protection of interconnected floor areas. | 1 |
| 0407F | Building Size Determination / Mezzanines Verify that building size and mezzanines comply with code provisions. | 1 |
| 0408F | Spatial Separations Verify that the spatial separation for buildings meets code requirements. | 1 |

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| 0409F | Alarm Systems Verify that alarm and detection systems comply with code; Verify provisions for fire fighting | 1 |
| 05 | Excavations, Footings, Foundations and Grading | 2 |
| 0504 | Footings and Foundations Verify that concrete footings have proper depth, reinforcement (where required), and that concrete has required compressive strength and air content. Verify that wood foundations, where permitted, are properly constructed and protected against termites and decay. Verify proper size, height above grade, reinforcement size, type, and grade of foundations. | 1 |
| 0505 | Slabs-On-Ground Inspect concrete slabs, verifying proper sizing, placement, and support of welded wire fabric and reinforcing bar, and proper placement/location of control/construction joints | 1 |
| 06 | Framing | 8 |
| 0601 | Columns Verify that wood, steel, masonry, and solid concrete columns meet code requirements. | 1 |
| 0602 | General Framing / Framing Members Inspect and verify foundations, sills, sleepers, trusses, joists and rafters, foundation studs, verifying proper grade, size, bearing, support, span, spacing, blocking, bracing or bridging, and fasteners. Inspect roof, wall and floor framing, verifying proper span, grade, and fasteners. Verify that steel stud wall framing complies with code provisions for size, thickness, fastening and load bearing characteristics. | 4 |
| 0604 | Beams and Lintels Verify that beams, girders and lintels are of proper grade, size, bearing, support, span, spacing, blocking, and bracing or bridging. | 2 |
| 0605 | Sheathing and Subflooring Inspect roof, wall and floor sheathing, verifying proper thickness, grade and fastening methods | 1 |
| 07 | Masonry and Insulating Concrete Form Walls | 1 |
| 0701 | Above-Grade Masonry Inspect masonry units, verifying required dimensions, minimum thickness, alignment of finished work, joint construction, mortar quality, bonding and tying, lateral support, chases and recesses, and installation of cleanouts where required. Inspect masonry reinforcement, verifying adequate size, grade, and clearances. | 1 |
| 08 | Health, Safety and Comfort | 3 |
| 0801 | Insulation Inspect wall, ceiling, and floor insulation, verifying correct flame-spread rating, and correct placement of vapour barrier. | 1 |
| 0802 | Ventilation Verify that requirements for natural and mechanical ventilation are met. | 1 |
| 0805 | Sound Control Verify compliance with code provisions for sound transmission ratings. | 1 |
| 09 | Exterior Finish | 2 |
| 0901 | Roofing Verify the proper use of roofing materials appropriate to the type of roof, flashing, eave protection, roof underlay, proper application of cedar and shake shingles, and built-up roofs. | 1 |

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| 0902 | Cladding Inspect exterior wall and roof covering, verifying proper application and attachment appropriate for the type of cladding and flashing. | 1 |
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ACBOA Level III - EXAM 6 - LARGE BUILDING HEALTH and SAFETY

| LEVEL III, Exam 6 - LARGE BUILDING HEALTH and SAFETY Two-hour time limit, 50 multiple choice questions, open book. | | |
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| | Content Area | Questions |
| 01 | Health Requirements Room Height, Windows, Safety Glass, Plumbing Facilities, Lighting, Food Premises. | 10 |
| 0 | Accessible Design Washrooms Water Closet Rooms, Water Closet Compartments, Bath & Shower, Grab Bars | 8 |
| 03 | Accessible Buildings Specific Requirements, Applications, and Exemptions, and Requirements for Different Occupancies | 8 |
| 04 | Environmental Separation Environmental Separation Requirements including Heat Transfer, Air Leakage, and Vapour Diffusion, Moisture in the Ground and Surface Water, and Sound Transmission Ratings & Classification | 5 |
| 05 | HVAC Design and Installation of HVAC equipment and Chimneys and Venting Equipment | 7 |
| 06 | Service Spaces / Facilities Service Rooms, Vertical Service Spaces Horizontal Service Space | 2 |
| | Total | 50 |

ACBOA Level III - EXAM 7 - LARGE BUILDING CLASSIFICATION AND CONSTRUCTION

| LEVEL III, Exam 7 - LARGE BUILDING CLASSIFICATION AND CONSTRUCTION Two-hour time limit, 50 multiple choice questions, open book. | | |
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| | Content Area | Questions |
| 1. | General Requirements Code Application, Definitions, Plans, Specification, Materials, Documents, Professional Design and Review, Design Requirements | 7 |
| 2. | Classification and Construction Requirements Major Occupancy Identification, Occupant Load, Types of Construction, Building Height, Size, Major Occupancy Separation, Spatial Separation, Exceptions to Structural Fire Protection | 17 |
| 3. | Passive Fire Protection Fire Separations and Closures, Fire Stops, Flame Spread Rating, Smoke Development, Firewalls, Fire Resistance Ratings | 15 |
| 4. | Structural Design Structural Loads, Limit State Design, Dead Loads and Live Loads, Foundations, Requirements for Structural Materials and Special Structures | 11 |
| | Total | 50 |

ACBOA Level III - EXAM 8 - PLAN REVIEW

| LEVEL III, Exam 8 – PLAN REVIEW | | |
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| Two-hour time limit, 50 multiple choice questions, open book. | | |
| | Content Area | Questions |
| 1. | Administrative Requirements Application of Administrative Requirements | 2 |
| 2. | General Requirements Major Occupancy Identification and Separation, Occupant Load, Types of Construction, Fire Separations and Closures, Fire Stops, Flame Spread Rating, Smoke Development, Firewalls, Fire Resistance Ratings | 10 |
| 3. | Building Fire Safety and Classification Building Height, Size, Spatial Separation, Fire Alarm and Detection Systems, Standpipe and Sprinkler, Systems, Lighting and Emergency Power, High Buildings, Access to Storeys, Routes, Access | 13 |
| 4. | Occupant Safety Safety within Floors, Assembly Occupancies, Care and Detention, Residential, Industrial | 8 |
| 5. | Exiting Exit Types, Number, Location & Fire Escapes, Travel Distance & Distance Between Exits, Exit Width, Height and Capacity, Fire Separation of Exits, Exit Signs, Handrails, Guards, Stairs and Ramps, Doors and Hardware, Emergency Access to Floor Areas/Crossover | 10 |
| 6. | Vertical Transportation & Service Facilities Vertical Transportaion and Service Facilities | 2 |
| 7. | Health Requirements and Accessible Design Plumbing Facilities, Accessible Design | 2 |
| 8. | Structural Design Structural Design | 1 |
| 9. | Environmental Separation Heat, Air, Vapour, Moisture, & Sound Ratings | 1 |
| 10. | HVAC Design and Installation | 1 |
| | Total | 50 |

ACBOA Level III - EXAM 9 - LIFE SAFETY SYSTEMS

| LEVEL III, Exam 8 – LIFE SAFETY SYSTEMS | | |
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| Two-hour time limit, 60 multiple choice questions, open book. | | |
| | Content Area | Questions |
| 1. | Safety Within Floors Suite Separation, Means of Egress, Door Requirements & Number Egress Doorways, Corridor Requirements, Ramps, Stairways & Exterior Passageways, Handrails and Guards, Exhaust Ventilation, Janitor and Laundry Rooms | 11 |
| 2. | Assembly Occupancies Fire Separations, Fixed Seats and Fixed Bench Type Seats, Aisles, Doors, and Corridors, Guards and Risers for Stairs, Stages, Outdoor Places of Assembly | 8 |

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| 3. | Care and Detention Fire Separations, Doors and Corridors, Hospitals and Nursing Homes, Areas of Refuge, Contained Use Areas | 6 |
| 4. | Residential Fire Separations, Storage Rooms, Egress | 7 |
| 5. | Industrial Repair and Storage Garages and Separations, Multiple Tenant Self Storage, Vestibules | 8 |
| 6. | Exits Types, Number & Location of Exits, Travel Distance & Distance Between Exits, Exit Width, Height and Capacity, Fire Separation of Exits, Exit Signs, Handrails and Guards, Stairs and Ramps, Doors and Hardware, Fire Escapes, Emergency Access to Floor Areas/Crossover | 17 |
| 7. | Vertical Transportation Standards, Fire Separations, Elevators | 3 |
| | Total | 60 |

ACBOA Level III - EXAM 10 - FIRE PROTECTION

| LEVEL III, Exam 10 – FIRE PROTECTION | | |
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| Two-hour time limit, 50 multiple choice questions, open book. | | |
| | Content Area | Questions |
| 1. | Fire Alarm and Detection Systems Fire Alarm Requirements, Continuity Fire Alarm System, Types of Fire Alarms, Installation & Testing, Pull Stations , Annunciator & Zone Indication, Fire Detectors, Audibility, and Visual Requirements, Voice Communications, Smoke Alarms | 13 |
| 2. | Standpipe and Sprinkler Systems Water Supply, General Standpipe & Sprinkler Requirements, Hose Connections, Hose Stations, Fire Department Connections | 11 |
| 3. | Lighting and Emergency Power Lighting Requirements, Emergency Lighting and Power | 7 |
| 4. | High Buildings Application, Fire fighters, elevators, Limits smoke movement, Central Alarm and Control Facility (CACF), Venting | 10 |
| 5. | Building Fire Safety Exceptions to Building Height, Storage garages, Basements and Storage Below Ground , Streets, Multiple Major Occupancies, Automatic Sprinkler Systems, Construction Requirements, Interconnected Floors, and Mezzanines | 14 |
| 6. | Access Access to Storeys, Access Routes, Roof Access | 5 |
| | Total | 60 |